

## Refine Search

### Search Results -

Terms	Documents
707/\$.ccls. and ((self\$join or self adj join) and (union with operator\$))	19

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L17

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Wednesday, March 09, 2005   [Printable Copy](#)   [Create Case](#)

<u>Set</u> <u>Name</u> side by side	<u>Query</u>	<u>Hit</u> <u>Count</u>	<u>Set</u> <u>Name</u> result set
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>		
<u>L17</u>	707/\$.ccls. and ((self\$join or self adj join) and (union with operator\$))	19	<u>L17</u>
<u>L16</u>	707/\$.ccls. and ((search\$ or quer\$) and ((retriev\$ same data)with (self\$join or self adj join)) and (union with operator)and optimiz\$4)	0	<u>L16</u>
<u>L15</u>	(search\$ or quer\$) and ((retriev\$ same data)with (self\$join or self adj join)) and (union with operator)and optimiz\$4	1	<u>L15</u>
<u>L14</u>	(search\$ or quer\$) and ((retriev\$ same data)with (self\$join or self adj join)) and (union with operator)	1	<u>L14</u>
<u>L13</u>	L12 and L11	2	<u>L13</u>
<u>L12</u>	L8 and (union with operator)	4	<u>L12</u>
<u>L11</u>	L8 and (self\$join or self with join)	2	<u>L11</u>
<u>L10</u>	LL8 and (self\$join or self with join)	0	<u>L10</u>
<u>L9</u>	L8 and L5	0	<u>L9</u>
<u>L8</u>	L7 or L6	132	<u>L8</u>

<u>L7</u>	shanmugas\$.in.	102	<u>L7</u>
<u>L6</u>	kiernan-g\$.in.	37	<u>L6</u>
<u>L5</u>	L3 and (self\$join or self with join)	21	<u>L5</u>
<u>L4</u>	L3 and ((union near operator) same (self\$join or self with join))	0	<u>L4</u>
<u>L3</u>	L2 and 707/\$.ccls.	185	<u>L3</u>
<u>L2</u>	(union with operator) or (union near operator)	707	<u>L2</u>
<u>L1</u>	(union near operator) same (self\$join or self with join)	2	<u>L1</u>

END OF SEARCH HISTORY

## Hit List

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: US 20040128306 A1

Using default format because multiple data bases are involved.

L12: Entry 1 of 4

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040128306

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040128306 A1

TITLE: Method for processing XML queries over relational data and meta-data using a relational database system

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Shanmugasundaram, Jayavel</u>	Ithaca	NY	US	
Shekita, Eugene Jon	San Jose	CA	US	

US-CL-CURRENT: 707/102

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 2. Document ID: US 20020198726 A1

Using default format because multiple data bases are involved.

L12: Entry 2 of 4

File: PGPB

Dec 26, 2002

PGPUB-DOCUMENT-NUMBER: 20020198726

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020198726 A1

TITLE: Self join elimination through union

PUBLICATION-DATE: December 26, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Kiernan, Gerald George</u>	San Jose	CA	US	
<u>Shanmugasundaram, Jayavel</u>	San Jose	CA	US	

US-CL-CURRENT: 705/1

h e b b g e e e f e g e f b e

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw De
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☐ 3. Document ID: US 20010037345 A1

**Using default format because multiple data bases are involved.**

L12: Entry 3 of 4

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037345

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010037345 A1

TITLE: Tagging XML query results over relational DBMSs

PUBLICATION-DATE: November 1, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
<u>Kiernan, Gerald George</u>	San Jose	CA	US	
<u>Shanmugasundaram, Jayavel</u>	San Jose	CA	US	
<u>Shekita, Eugene Jon</u>	San Jose	CA	US	

US-CL-CURRENT: 715/513

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw De
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☐ 4. Document ID: US 20020198726 A1

L12: Entry 4 of 4

File: DWPI

Dec 26, 2002

DERWENT-ACC-NO: 2003-311774

DERWENT-WEEK: 200330

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TITLE: Query optimization for e-commerce application, involves simplifying query to eliminate table expressions and to reduce query to equivalent query over tables, when query includes self-join derived through table expressions

INVENTOR: KIERNAN, G G ; SHANMUGASUNDARAM, J

PRIORITY-DATA: 2001US-0887759 (June 21, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20020198726 A1</u>	December 26, 2002		017	G06F017/60

INT-CL (IPC): G06 F 17/60

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMMC	Draw De
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